

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---|------------------|
| 1 | 1 | 6466539.pn. | USPAT; US-PGPUB | 2004/03/30 13:43 |
| - | 4 | bus and safety and datastream and subscribers | USPAT; US-PGPUB | 2004/03/30 13:43 |
| - | 28 | 700/108.ccls. and safety | USPAT; US-PGPUB | 2003/07/11 16:47 |
| - | 8 | (700/108.ccls. and safety) and bus | USPAT; US-PGPUB | 2003/07/11 11:45 |
| - | 1 | 6028522.pn. | USPAT; US-PGPUB | 2003/07/11 11:48 |
| - | 2282 | sensor and actuator and bus and safety | USPAT; US-PGPUB | 2003/07/11 11:48 |
| - | 228 | (sensor and actuator and bus and safety) and 700/\$.ccls. | USPAT; US-PGPUB | 2003/07/11 13:30 |
| - | 1 | (sensor and actuator and bus and safety) and safety adj analyz\$3 | USPAT; US-PGPUB | 2003/07/11 11:50 |
| - | 17 | ((sensor and actuator and bus and safety) and 700/\$.ccls.) and subscrib\$3 | USPAT; US-PGPUB | 2003/07/11 11:52 |
| - | 63 | (sensor and actuator and bus and safety) and crc | USPAT; US-PGPUB | 2003/07/11 11:52 |
| - | 4 | ((sensor and actuator and bus and safety) and crc) and 700/\$.ccls. | USPAT; US-PGPUB | 2003/07/11 13:34 |
| - | 27 | 700/\$.ccls. and bus and monitor same (data adj flow) | USPAT; US-PGPUB | 2003/07/11 13:46 |
| - | 0 | 700/\$.ccls. and manipulats\$3 near4 datastream and (bus or network) | USPAT; US-PGPUB | 2003/07/11 14:42 |
| - | 0 | 700/\$.ccls. and manipulats\$3 near4 datastream | USPAT; US-PGPUB | 2003/07/11 14:42 |
| - | 3 | 700/\$.ccls. and manipulats\$3 near4 (data adj stream) | USPAT; US-PGPUB | 2003/07/11 14:44 |
| - | 250 | manipulats\$3 near4 (data adj stream)and (bus or network) | USPAT; US-PGPUB | 2003/07/11 14:44 |
| - | 6 | (manipulats\$3 near4 (data adj stream)and (bus or network)) and safety | USPAT; US-PGPUB | 2003/07/11 14:46 |
| - | 1 | 4680753.pn. | USPAT; US-PGPUB | 2003/07/11 14:51 |
| - | 532 | downstream and subscriber and bus and (insert or edit) and data | USPAT; US-PGPUB | 2003/07/11 14:53 |
| - | 73 | (downstream and subscriber and bus and (insert or edit) and data) and safety | USPAT; US-PGPUB | 2003/07/11 14:53 |
| - | 66 | ((downstream and subscriber and bus and (insert or edit) and data) and safety) and monitor | USPAT; US-PGPUB | 2003/07/11 14:53 |
| - | 41 | ((downstream and subscriber and bus and (insert or edit) and data) and safety) and monitor) and @ad<=19990617 | USPAT; US-PGPUB | 2003/07/11 17:00 |
| - | 2 | de and "19815150" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/11 14:57 |
| - | 1 | ep and "0770942" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/11 14:58 |
| - | 5 | "0770942" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/11 14:59 |
| - | 1 | de and "19540069" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/11 15:03 |
| - | 167 | phoenix.as. and bus | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/11 15:03 |
| - | 16 | (phoenix.as. and bus) and safety | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2003/07/11 15:03 |

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|---|------|---|--------------------|------------------|
| - | 1 | "6111888".PN. | USPAT; US-PGPUB | 2003/07/11 15:23 |
| - | 1 | "6101566".PN. | USPAT; US-PGPUB | 2003/07/11 15:23 |
| - | 1 | "6098135".PN. | USPAT; US-PGPUB | 2003/07/11 15:24 |
| - | 1 | "6069926".PN. | USPAT; US-PGPUB | 2003/07/11 15:27 |
| - | 1 | "6061599".PN. | USPAT; US-PGPUB | 2003/07/11 15:27 |
| - | 1 | "6044305".PN. | USPAT; US-PGPUB | 2003/07/11 15:27 |
| - | 1 | "5966304".PN. | USPAT; US-PGPUB | 2003/07/11 15:28 |
| - | 1 | "5357625".PN. | USPAT; US-PGPUB | 2003/07/11 15:28 |
| - | 1 | "3717844".PN. | USPAT; US-PGPUB | 2003/07/11 15:28 |
| - | 1 | "4516122".PN. | USPAT; US-PGPUB | 2003/07/11 16:21 |
| - | 6 | fieldbus and monitor and safety and subscriber | USPAT; US-PGPUB | 2003/07/11 16:29 |
| - | 3155 | (bus or network) and monitor\$3 same safety and sensor | USPAT; US-PGPUB | 2003/07/11 16:30 |
| - | 558 | 709/208-211.ccls. | USPAT; US-PGPUB | 2003/07/11 16:31 |
| - | 2051 | 710/110,100,106,107.ccls. | USPAT; US-PGPUB | 2003/07/11 16:31 |
| - | 339 | 709/208-211.ccls. and bus | USPAT; US-PGPUB | 2003/07/11 16:31 |
| - | 19 | (709/208-211.ccls. and bus) and safety | USPAT; US-PGPUB | 2003/07/11 16:33 |
| - | 33 | (709/208-211.ccls. and bus) and subscriber | USPAT; US-PGPUB | 2003/07/11 16:33 |
| - | 3 | ((709/208-211.ccls. and bus) and subscriber) and sensor | USPAT; US-PGPUB | 2003/07/11 16:35 |
| - | 46 | (709/208-211.ccls. and bus) and sensor | USPAT; US-PGPUB | 2003/07/11 16:35 |
| - | 37 | ((709/208-211.ccls. and bus) and sensor) and monitor\$3 | USPAT; US-PGPUB | 2003/07/11 16:35 |
| - | 26 | ((709/208-211.ccls. and bus) and sensor) and monitor\$3) and @ad<=19990617 | USPAT; US-PGPUB | 2003/07/14 11:11 |
| - | 866 | 710/110,100,106,107.ccls. and bus and monitor\$2 | USPAT; US-PGPUB | 2003/07/11 16:39 |
| - | 19 | (710/110,100,106,107.ccls. and bus and monitor\$2) and safety | USPAT; US-PGPUB | 2003/07/11 16:39 |
| - | 0 | 700/108.ccls | USPAT; US-PGPUB | 2003/07/11 16:48 |
| - | 307 | 700/108.ccls. | USPAT; US-PGPUB | 2003/07/11 16:48 |
| - | 178 | 700/108.ccls. and (bus or network) | USPAT; US-PGPUB | 2003/07/11 16:48 |
| - | 138 | (700/108.ccls. and (bus or network)) and monitor\$3 | USPAT; US-PGPUB | 2003/07/11 16:48 |
| - | 67 | ((700/108.ccls. and (bus or network)) and monitor\$3) and @ad<=19990617 | USPAT; US-PGPUB | 2003/07/14 11:31 |
| - | 880 | bus and subscribers and data near2 manipulats4 | USPAT; US-PGPUB | 2003/07/14 11:10 |
| - | 664 | (bus and subscribers and data near2 manipulats4) and monitor | USPAT; US-PGPUB | 2003/07/14 11:11 |
| - | 293 | ((bus and subscribers and data near2 manipulats4) and monitor) and @ad<=19990617 | USPAT; US-PGPUB | 2003/07/14 11:12 |
| - | 204 | ((bus and subscribers and data near2 manipulats4) and monitor) and @ad<=19990617) and machine | USPAT; US-PGPUB | 2003/07/14 11:12 |
| - | 165 | ((((bus and subscribers and data near2 manipulats4) and monitor) and @ad<=19990617) and machine) and (speed or temperature) | USPAT; US-PGPUB | 2003/07/14 11:12 |

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|---|-----|--|---------------------------|------------------|
| - | 67 | ((700/108.ccls. and (bus or network)) and monitor\$3) and @ad<=19990617 | USPAT; US-PGPUB | 2003/07/14 14:26 |
| - | 649 | 700/79-80,177.ccls. | USPAT; US-PGPUB | 2003/07/14 14:26 |
| - | 10 | 700/79-80,177.ccls. and bus and subscriber\$2 | USPAT; US-PGPUB | 2003/07/14 15:16 |
| - | 1 | "6480473".PN. | USPAT; US-PGPUB | 2003/07/14 14:59 |
| - | 1 | "6424870".PN. | USPAT; US-PGPUB | 2003/07/14 14:59 |
| - | 1 | "6385562".PN. | USPAT; US-PGPUB | 2003/07/14 15:00 |
| - | 1 | "6381647".PN. | USPAT; US-PGPUB | 2003/07/14 15:01 |
| - | 1 | "6347252".PN. | USPAT; US-PGPUB | 2003/07/14 15:01 |
| - | 1 | "6307652".PN. | USPAT; US-PGPUB | 2003/07/14 15:01 |
| - | 1 | "6233704".PN. | USPAT; US-PGPUB | 2003/07/14 15:13 |
| - | 1 | "5566092".PN. | USPAT; US-PGPUB | 2003/07/14 15:13 |
| - | 1 | "5508689".PN. | USPAT; US-PGPUB | 2003/07/14 15:13 |
| - | 1 | "5369569".PN. | USPAT; US-PGPUB | 2003/07/14 15:13 |
| - | 1 | "4827477".PN. | USPAT; US-PGPUB | 2003/07/14 15:14 |
| - | 167 | 700/79-80,177.ccls. and safety | USPAT; US-PGPUB | 2003/07/14 15:16 |
| - | 57 | roboter.as. | USPAT; US-PGPUB | 2003/07/14 15:16 |
| - | 11 | roboter.as. and safety | USPAT; US-PGPUB | 2003/07/14 15:17 |
| - | 887 | 702/57-58,183.ccls. | USPAT; US-PGPUB | 2003/07/14 15:18 |
| - | 118 | 702/57-58,183.ccls. and safety | USPAT; US-PGPUB | 2003/07/14 15:18 |
| - | 4 | (702/57-58,183.ccls. and safety) and bus and subscriber\$2 | USPAT; US-PGPUB | 2003/07/14 15:20 |
| - | 8 | 702/57-58,183.ccls. and bus and subscriber\$2 | USPAT; US-PGPUB | 2003/07/14 15:20 |
| - | 8 | (702/57-58,183.ccls. and bus and subscriber\$2) not125 | USPAT; US-PGPUB | 2003/07/14 15:20 |
| - | 4 | (702/57-58,183.ccls. and bus and subscriber\$2) not ((702/57-58,183.ccls. and safety) and bus and subscriber\$2) | USPAT; US-PGPUB | 2003/07/14 15:20 |
| - | 14 | (US-6437692-\$ or US-5984504-\$ or US-6181975-\$ or US-5208742-\$ or US-5161110-\$ or US-4680753-\$ or US-6347252-\$ or US-5442639-\$ or US-4149241-\$ or US-6115643-\$ or US-6577918-\$ or US-6385562-\$).did. or (DE-19815150-\$).did. or (EP-770942-\$).did. | USPAT; EPO; DERWENT | 2003/07/15 15:47 |
| - | 2 | ((US-6437692-\$ or US-5984504-\$ or US-6181975-\$ or US-5208742-\$ or US-5161110-\$ or US-4680753-\$ or US-6347252-\$ or US-5442639-\$ or US-4149241-\$ or US-6115643-\$ or US-6577918-\$ or US-6385562-\$).did. or (DE-19815150-\$).did. or (EP-770942-\$).did.) and subscribe\$2 and bus | USPAT; US-PGPUB | 2003/07/14 17:23 |
| - | 11 | safety.ti. and bus and subscriber\$2 | USPAT; US-PGPUB | 2003/07/14 17:23 |

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|---|------|--|---------------------------|------------------|
| - | 28 | (US-6437692-\$ or US-5984504-\$ or US-6181975-\$ or US-5208742-\$ or US-5161110-\$ or US-4680753-\$ or US-6347252-\$ or US-5442639-\$ or US-4149241-\$ or US-6115643-\$ or US-6577918-\$ or US-6385562-\$).did. or (DE-19815150-\$).did. or (EP-770942-\$).did. | USPAT; EPO; DERWENT | 2003/07/15 15:47 |
| - | 2 | ((US-6437692-\$ or US-5984504-\$ or US-6181975-\$ or US-5208742-\$ or US-5161110-\$ or US-4680753-\$ or US-6347252-\$ or US-5442639-\$ or US-4149241-\$ or US-6115643-\$ or US-6577918-\$ or US-6385562-\$).did. or (DE-19815150-\$).did. or (EP-770942-\$).did.) and crc | USPAT; EPO; DERWENT | 2003/07/15 16:20 |
| - | 5 | ((US-6437692-\$ or US-5984504-\$ or US-6181975-\$ or US-5208742-\$ or US-5161110-\$ or US-4680753-\$ or US-6347252-\$ or US-5442639-\$ or US-4149241-\$ or US-6115643-\$ or US-6577918-\$ or US-6385562-\$).did. or (DE-19815150-\$).did. or (EP-770942-\$).did.) and master and slave | USPAT; EPO; DERWENT | 2003/07/15 16:21 |
| - | 5 | bus and (safety or hazard) and datastream and subscribers | USPAT; US-PGPUB | 2004/03/22 16:26 |
| - | 7 | safety adj analyzer | USPAT; US-PGPUB | 2004/03/22 16:27 |
| - | 0 | quadtech.as. | USPAT; US-PGPUB | 2004/03/22 16:28 |
| - | 119 | safety and sensor and machine and tool and subscriber | USPAT; US-PGPUB | 2004/03/22 16:29 |
| - | 92 | (safety and sensor and machine and tool and subscriber) and bus | USPAT; US-PGPUB | 2004/03/22 16:29 |
| - | 92 | ((safety and sensor and machine and tool and subscriber) and bus) and data | USPAT; US-PGPUB | 2004/03/22 16:40 |
| - | 1 | 6325198.pn. | USPAT; US-PGPUB | 2004/03/22 16:40 |
| - | 1 | 6325198.pn. and safety adj monitor | USPAT; US-PGPUB | 2004/03/24 11:29 |
| - | 202 | safety adj monitor | USPAT; US-PGPUB | 2004/03/22 16:41 |
| - | 2 | (safety adj monitor) and subscriber | USPAT; US-PGPUB | 2004/03/22 16:41 |
| - | 57 | (safety adj monitor) and bus | USPAT; US-PGPUB | 2004/03/22 16:48 |
| - | 1041 | schneider.as. | USPAT; US-PGPUB | 2004/03/22 16:48 |
| - | 141 | schneider.as. and safety | USPAT; US-PGPUB | 2004/03/22 16:48 |
| - | 12 | (schneider.as. and safety) and bus | USPAT; US-PGPUB | 2004/03/22 16:58 |
| - | 7 | ("4257103" "4689541" "4931712" "4962338" "5212430" "5237250" "5293102").PN. | USPAT | 2004/03/22 16:50 |
| - | 2 | 5955859.URPN. | USPAT | 2004/03/22 16:50 |
| - | 8 | 5063527.URPN. | USPAT | 2004/03/22 16:56 |
| - | 29 | ("3701113" "3829842" "3978454" "4075707" "4095094" "4101258" "4107649" "4117317" "4275464" "4276603" "4412280" "4414669" "4488300" "4507784" "4511975" "4520482" "4558416" "4567556" "4633384" "4636949" "4644479" "4649469" "4670876" "4740888" "4745542" "4749992" "4827397" "4852046" "4931975").PN. | USPAT | 2004/03/22 16:57 |
| - | 53 | (safety adj monitor) and active | USPAT; US-PGPUB | 2004/03/22 16:58 |
| - | 8 | 5063527.URPN. | USPAT | 2004/03/22 16:59 |

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| - | 10 | ("3717844" "5357625" "5966304" "6044305" "6061599" "6069926" "6076952" "6098135" "6101566" "6111888").PN. | USPAT | 2004/03/23 15:22 |
| - | 9 | 6347252.URPN. | USPAT | 2004/03/23 15:23 |
| - | 135 | safety and fieldbus and monitor | USPAT; US-PGPUB | 2004/03/23 15:26 |
| - | 0 | (safety and fieldbus and monitor) and safety adj monitor | USPAT; US-PGPUB | 2004/03/23 15:39 |
| - | 0 | (safety and fieldbus and monitor) and on and off | USPAT; US-PGPUB | 2004/03/23 15:40 |
| - | 97 | (safety and fieldbus and monitor) and actuator | USPAT; US-PGPUB | 2004/03/23 17:16 |
| - | 1 | 6325198.pn. and safety and safety adj monitor | USPAT; US-PGPUB | 2004/03/23 17:16 |
| - | 1 | 6325198.pn. and safety | USPAT; US-PGPUB | 2004/03/25 10:34 |
| - | 4033913 | ep "837394" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 10:34 |
| - | 3 | ep and "837394" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 10:55 |
| - | 0 | 837394.URPN. | USPAT | 2004/03/25 10:37 |
| - | 10 | 5204865.pn. or 5448723.pn. or 5473599.pn. or 5784547.pn. or 5928368.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 14:55 |
| - | 0 | 732654.URPN. | USPAT | 2004/03/25 10:59 |
| - | 2 | de and "19815150" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 15:06 |
| - | 2 | (light adj barrier and bus and controller) and poll\$4 and sensor | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 15:06 |
| - | 75 | light adj barrier and bus and controller | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 15:10 |
| - | 27 | bus adj subscriber and safety | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 17:24 |
| - | 2 | 6347252.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 15:13 |
| - | 876 | bus and subscriber and safety | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 16:55 |
| - | 629 | (bus and subscriber and safety) and monitor | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 16:55 |
| - | 266 | ((bus and subscriber and safety) and monitor) and emergency | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 16:56 |
| - | 158 | ((bus and subscriber and safety) and monitor) and emergency) and sensor | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 16:56 |

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| - | 27 | (US-6437692-\$ or US-5984504-\$ or US-6181975-\$ or US-5208742-\$ or US-5161110-\$ or US-4680753-\$ or US-6347252-\$ or US-5442639-\$ or US-4149241-\$ or US-6115643-\$ or US-6577918-\$ or US-6385562-\$ or US-6615091-\$ or US-6325198-\$ or US-5063527-\$ or US-6601005-\$ or US-5204865-\$ or US-6466539-\$ or US-6115831-\$).did. or (US-20020093951-\$ or US-20040008467-\$ or US-20040010651-\$ or US-20010049564-\$).did. or (DE-19815150-\$).did. or (EP-770942-\$ or EP-837394-\$ or EP-732654-\$).did. | USPAT; US-PGPUB; EPO; DERWENT | 2004/03/25 17:14 |
| - | 153 | ((((bus and subscriber and safety) and monitor) and emergency) and sensor) not ((US-6437692-\$ or US-5984504-\$ or US-6181975-\$ or US-5208742-\$ or US-5161110-\$ or US-4680753-\$ or US-6347252-\$ or US-5442639-\$ or US-4149241-\$ or US-6115643-\$ or US-6577918-\$ or US-6385562-\$ or US-6615091-\$ or US-6325198-\$ or US-5063527-\$ or US-6601005-\$ or US-5204865-\$ or US-6466539-\$ or US-6115831-\$).did. or (US-20020093951-\$ or US-20040008467-\$ or US-20040010651-\$ or US-20010049564-\$).did. or (DE-19815150-\$).did. or (EP-770942-\$ or EP-837394-\$ or EP-732654-\$).did.) | USPAT; US-PGPUB | 2004/03/25 17:16 |
| - | 2 | ((((bus and subscriber and safety) and monitor) and emergency) and sensor) and fieldbus | USPAT; US-PGPUB | 2004/03/25 17:23 |
| - | 494 | 370/216.ccls. | USPAT; US-PGPUB | 2004/03/25 17:23 |
| - | 19 | 370/216.ccls. and safety | USPAT; US-PGPUB | 2004/03/25 17:23 |
| - | 300 | bus adj subscriber | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 17:24 |
| - | 300 | bus adj subscriber\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 17:24 |
| - | 28 | (bus adj subscriber\$1) and emergency | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 17:24 |
| - | 18 | ((bus adj subscriber\$1) and emergency) and monitor\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/25 17:24 |
| - | 20 | operator adj protection and plant | USPAT; US-PGPUB | 2004/03/29 17:42 |
| - | 4 | (operator adj protection and plant) and (bus or network) | USPAT; US-PGPUB | 2004/03/29 17:42 |
| - | 20 | (operator adj protection and plant) not12 | USPAT; US-PGPUB | 2004/03/29 17:42 |
| - | 16 | (operator adj protection and plant) not ((operator adj protection and plant) and (bus or network)) | USPAT; US-PGPUB | 2004/03/29 17:42 |
| - | 14 | operator adj protection and bus | USPAT; US-PGPUB | 2004/03/29 17:43 |
| - | 2186 | operator and safety and network and plant | USPAT; US-PGPUB | 2004/03/29 17:44 |
| - | 100 | operator and safety and fieldbus | USPAT; US-PGPUB | 2004/03/29 17:53 |
| - | 69 | (operator and safety and fieldbus) and actuator | USPAT; US-PGPUB | 2004/03/29 17:45 |

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| - | 37 | ((operator and safety and fieldbus) and actuator) and serial | USPAT; US-PGPUB | 2004/03/29 17:45 |
| - | 7 | ("5136498" "5142470" "5245616" "5255388" "5379278" "5910778" "6351829").PN. | USPAT | 2004/03/29 17:49 |
| - | 0 | 6701198.URPN. | USPAT | 2004/03/29 17:49 |
| - | 153 | fieldbus and safety and monitor\$3 | USPAT; US-PGPUB | 2004/03/29 18:10 |
| - | 121 | (fieldbus and safety and monitor\$3) not ((operator and safety and fieldbus) and actuator) and serial) | USPAT; US-PGPUB | 2004/03/29 17:54 |
| - | 48 | 5442639.URPN. | USPAT | 2004/03/29 18:07 |
| - | 79 | fieldbus and ((monitor\$3 or analyz\$3) same safety) | USPAT; US-PGPUB | 2004/03/29 18:10 |
| - | 79 | fieldbus and ((monitor\$3) same safety) | USPAT; US-PGPUB | 2004/03/29 18:10 |
| - | 0 | (fieldbus and ((monitor\$3) same safety)) not (fieldbus and safety and monitor\$3) | USPAT; US-PGPUB | 2004/03/29 18:10 |